CLAIMS

1. A method of data transfer including:

providing first and second communication links of differing bandwidths between a network and a mobile device;

notifying the mobile device of data awaiting transfer thereto from the network via the first, lower bandwidth, communication link; and

transferring the data to the mobile device via the second, higher bandwidth, communication link.

2. The method according to claim 1, wherein the first communication link is provided over a public land mobile network.

3. The method according to claim 1, wherein the second communication link is provided over a wide band short range wireless network.

4. The method according to claim 1, wherein the second communication link operates in an unlicensed portion of the electromagnetic spectrum.

5. The method according to claim 1, wherein the first communication link operates at a licensed portion of the electromagnetic spectrum.

6. The method according claim 4, wherein the first communication link operates at a licensed portion of the electomagnetic spectrum.

7. The method according to claim 1, wherein the first and/or second communication links are only temporarily formed.

8. The method according to claim 1, further including the step of providing a plurality of second communication links at a plurality of locations.

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9. The method according to claim 1 further including the steps of encrypting the data;

transferring a decryption key via the first communication link; and

transferring the data via the second communication link.

10. The method according to claim 1, further including the steps of providing either or both of the mobile device or/and a base station of the second communication link with GPS sensors.

11. A method of data transfer to a mobile device, the method comprising providing a mobile device communicatable with a first communications network and with a second communication network;

having the device in communication with the first network and transferring a message to the device via the first network, the message being indicative of the fact that data is desired to be transferred to the device;

putting the device in communication with the second network and transferring the data to the device via the second network.

12. The method according to claim 11, wherein the second network has the capability of transferring the data more cheaply than if it were transferred over the first network.

13. The method according to claim 11, wherein the first and second networks have telecommunication links of different bandwidths.

14 The method according to claim 13 wherein the second network has a higher bandwidth than the bandwidth of the first network.

15 The method according to claim 11 wherein the first network comprises a wireless network, with wireless communication to the mobile device.

16 The method according to claim 11 wherein the second network has a wireless link with the mobile device when the mobile device is within range of a second network transmitter and/or receiver.

17. The method according to claim 15 wherein the second network has a wireless link with the mobile device when the mobile device is within range of a second network transmitter and/or recorder.

18. A method of data transfer including;

providing first and second communication links of differing bandwidths between a network and a mobile device;

entering data onto the mobile device;

notifying the network via the first, lower bandwidth, communication link of data awaiting transfer thereto; and

transferring the data to the network via the second higher bandwidth communication link.

19. A data transfer system comprising a network, a mobile device, a first transmitter and a second transmitter, the network being adapted to contain data, the mobile device being adapted to receive signals from both the first and second transmitters, the first transmitter being adapted to transmit a signal to the mobile device when data on the network is available to be transferred to the mobile device, the second transmitter being adapted to transmit data to the mobile device.

20. A system according to claim 19, wherein the first transmitter operates at a frequency within the range selected from group (i) about 900 MHz to about 1900 MHz; (ii) about the 2 GHz band.

21. A system according to claim 19, wherein the second transmitter operates at a frequency within the range of the order of 1 GHz to the order of a few tens of GHz.

22. A system according to claim 19, wherein the second transmitter is a wireless LAN base station.

23. A system according to claim 19, wherein the second transmitter is a wide band short range transmitter.

24. A system according to claim 19, wherein the signal is a digitally encoded signal.

25. A system according to claim 19, wherein a plurality of second transmitters are distributed geographically.

26. A system according to claim 19, wherein the mobile device has a GPS transceiver associated with it.

27. A system according to claim 19, wherein the second transmitter has a GPS transceiver associated with it.

28. A system according to claim 19, wherein the data is real time video and audio data.

29. A converter device adapted for use with a network having an interface, suitable to interface with a mobile device and a wide band communication link such that the device is capable of allowing the mobile device to perform ~~any of the preceding methods according to the present invention, thereby converting a mobile device into a mobile device in accordance with the present invention~~ method of claim 1.

30. A wide bandwidth short range transceiver adapted to mediate a flow of data between a mobile device and a network in response to a request from said mobile device, the mobile device having received a notification that the data is awaiting transfer via a wireless communication link.

31. Apparatus for transferring data from a network to a mobile device comprising:

first and second transmitters respectively having differing lower and higher bandwidths for transmitting data in the network to the mobile device;

the first transmitter being arranged for notifying the mobile device of data awaiting transfer thereto from the network via the first, lower bandwidth; and

the second transmitter being arranged for transferring the data to the mobile device via the second, higher bandwidth.

32. Apparatus for transferring data from a network to a mobile device comprising a first transmitter and a second transmitter for transmitting signals to the mobile device, the first transmitter being adapted to transmit a signal to the mobile device when data on the network is available to be transferred to the mobile device, the second transmitter being adapted to transmit data to the mobile device.